

SAF-B03-005
100N Ancillary Facilities &
190-DR Other Solid Sampling for
ERDF Waste Designation
FINAL DATA PACKAGE

E-Mail RESULTS TO:

Rikki Thoren

N/A
INITIAL/DATE

Rene Nielson

N/A
INITIAL/DATE

COMPLETE COPY OF DATA PACKAGE TO:

Rikki Thoren

X9-05

mjr 5-6-04
INITIAL/DATE

COMMENTS: (PLEASE INCLUDE THE FOLLOWING ON THE FAX COVER SHEET)

SDG

20040636

SAF-B03-005

Rad only ☒ Chem only Rad & Chem

☒ Complete Partial

RECEIVED
AUG 17 2004
EDMC

WSCF ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

for

Bechtel Hanford, Inc.
MSIN H9-02
Richland, WA 99352

Attention: J. Kessner MSIN: H9-02

Survey ID

Data Validator MK Hamilton



This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Confidentiality Notice: The information contained in this report is privileged and confidential information intended only for the use of the addressee. If the reader of this report is not the intended recipient, or the employee or agent responsible to deliver it to the intended recipient, you are hereby notified that any dissemination, distribution or copying of this communication is strictly prohibited. If you have received this communication in error, please notify us immediately by telephone at (509) 373-7020.

Group#: 20040636
Report Date 29-apr-2004

bulk/rev.r6

Page 1/4

Fluor Hanford, Inc.
MSIN: S3-28
Richland, WA 99352

Phone 373-7403

WSCF

ANALYTICAL LABORATORY REPORT

ANALYSIS OF BULK SAMPLES FOR FIBER CONTENT

Your samples have been analyzed for fiber content using polarized light microscopy and dispersion staining in accordance with Industrial Hygiene Laboratory Procedure LA-519-403, based on 40 CFR Part 763, Subpart E, App. E and EPA method EPA/600/R-93/116. The results are attached.

This method provides a visual estimate of the percentage of each fiber type present. It is a semiquantitative method intended to identify materials containing $>$ or $=$ 1% asbestos fibers.* Reported fiber percentages for samples and sample layers are based on the samples as received by the laboratory. The laboratory cannot verify that these values are representative of the original material sampled.

The Waste Sampling and Characterization Facility is accredited by the American Industrial Hygiene Association (AIHA) to analyze bulk samples for asbestos content. This accreditation does not constitute approval or endorsement of analytical results by AIHA.

If there are questions concerning this report, please contact the data validator listed on the cover page of this report.

* Because of the nonhomogeneous nature of soils, results will be reported using the following terms rather than percentages:

1. None - No asbestos fibers found.
2. Trace detectable - With extensive searching, a few fibers of the type indicated were found; concentration very low, well below 1%.
3. Obvious presence - Fibers easily found but overall concentration still low.
4. Significant presence - Fibers readily found; overall concentration may approach or exceed 1% level.

Polarized light microscopy (PLM) may not be the preferred method for identification of asbestos in floor tile. Most vinyl floor tiles marketed in the late sixties to mid-seventies contained asbestos milled so fine as to be below detection limits for PLM techniques. Tiles of that vintage, showing any detectable asbestos fibers should be considered to be asbestos-containing material. Non-detection of asbestos by PLM should not be considered conclusive proof that the tiles do not contain asbestos. Results for such samples will be reported as 'indeterminate'. Confirmatory analysis by TEM is strongly recommended.

WSCF

ANALYTICAL LABORATORY REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040636

Sample #	Client ID	Test Performed	Range	Result	Units	Analyst	Sampled	Received	Analyzed
W04I001953	J01FT4	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose		1-3	%	sdb	04/16/04	04/16/04	04/20/04
	SAMPLE COMMENT---	Non-homogenous black and brown tar paper with pieces of black tar and tan granular material, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.							
W04I001954	J01FT5	The following are the results of this test- Bulk Asbestos Layer 1							
		Cellulose	<	1	%	sdb	04/16/04	04/16/04	04/20/04
		Synthetic	<	1	%	sdb	04/16/04	04/16/04	04/20/04
	SAMPLE COMMENT---	Non-homogenous black tar paper with tan granular material and pieces of black tar, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.							
W04I001955	J01FT6	The following are the results of this test- Bulk Asbestos Layer 1							
		Fiberglass	<	1	%	sdb	04/16/04	04/16/04	04/20/04
		Cellulose		1-2	%	sdb	04/16/04	04/16/04	04/20/04
	SAMPLE COMMENT---	Non-homogenous brown and black tar paper with tan granular material and black pieces of tar, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.							

WSCF

ANALYTICAL COMMENT REPORT

Attention: J. Kessner MSIN: H9-02

Group #: 20040636

Sample #	Client ID	Lab Area	Test	Comment
		VALGROUP		Validated 4/29/04 by MK Hamilton, IH QA Coordinator.
W04I001953	J01FT4	TESTDATA	Bulk Asbestos Layer 1	Non-homogenous black and brown tar paper with pieces of black tar and tan granular material, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.
W04I001954	J01FT5	TESTDATA	Bulk Asbestos Layer 1	Non-homogenous black tar paper with tan granular material and pieces of black tar, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.
W04I001955	J01FT6	LOGSAMP		SAMPLES ACCEPTABLE FOR RECEIPT. REC'D BY K BEEBE 4/16/04 AND LOGGED BY MK GRANT 4/19/04.
		TESTDATA	Bulk Asbestos Layer 1	MEDIA: BULK Non-homogenous brown and black tar paper with tan granular material and black pieces of tar, reportedly from the 1300N Emergency Dump Basin. No asbestos was found in this sample.

Lab Areas: VALGROUP - Group Validation
LOGSAMP - Login for Sample

VALTEST - Test Validation
LOGTEST - Login for Tests

TESTDATA - Test Data Entry

This report may not be reproduced, except in its entirety without the written approval of the WSCF Laboratory.

Bechtel Hanford Inc.		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				B03-005-031		Page 1 of 1	
Collector Renee Nielson		Company Contact Rikki Thoren		Telephone No. 372-2178		Project Coordinator KESSNER, JH		Price Code 9K	
Project Designation 100N Ancillary Facilities & 190-DR Other Solid Sampling fo		Sampling Location 1300-N Emergency Dump Basin		SAF No. B03-005		Air Quality <input type="checkbox"/>		Data Turnaround Data 7 Days DUE 4/21/04	
Ice Chest No. ERC-99-11-16		Field Logbook No. EL-1516-2		COA R1300N200C		Method of Shipment Hand deliver - govt vehicle			
Shipped To Waste Sampling & Characterization		Offsite Property No.				Bill of Lading/Air Bill No.			
POSSIBLE SAMPLE HAZARDS/REMARKS		Preservation		None					
Special Handling and/or Storage		Type of Container		aG					
		No. of Container(s)		1					
		Volume		60mL					
		Asbestos							
SAMPLE ANALYSIS									
Sample No.	Matrix *	Sample Date	Sample Time						
J01FT4 W04SW1953	OTHER SOLID	4-16-04	0919	X					
J01FT5 W04SW1954	OTHER SOLID	4-16-04	0925	X					
J01FT6 W04SW1955	OTHER SOLID	4-16-04	0936	X					
CHAIN OF POSSESSION									
Relinquished By/Removed From		Sign/Print Names		Date/Time		SPECIAL INSTRUCTIONS			
R. Nielson		R. Nielson		4/16/04 1325		logged, net, to sky			
R. Nielson		R. Nielson		4/16/04 1325					
SDBolling		SDBolling		4/16/04 1525					
MKGrant		MKGrant		4-19-04 0900					
SDBolling		SDBolling		4/20/04 930					
SDBolling		SDBolling		4/20/04 1100					
Relinquished By/Removed From		Received By/Stored In		Date/Time		Matrix *			
Storage		Storage		4/20/04		S=Soil SE=Sediment SO=Solid SL=Sludge W=Water O=Oil A=Air DS=Drum Solids DL=Drum Liquids T=Tissue WI=Wipe L=Liquid V=Vegetation X=Other			
LABORATORY SECTION		Received By		Title		Date/Time			
SDBolling		SDBolling		IH Tech. Mgr.		4/16/04 1525			
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By		Date/Time			